PURGEX™ 457 PLUS

Purging Compounds

PRODUCT INFORMATION

Purgex™ 457 Plus Commercial Purging Compound is a ready-to-use blend consisting of active ingredients with a polyethylene carrier. Purgex products have mechanical activity for efficient cleaning, foaming action for enhanced mixing and a lubricant for easy removal. Purgex thoroughly and safely cleans injection molding machines and hot runner systems, as well as extruders and dies.

Physical Description:

- Blend, polyethylene, and an active component
- Non-toxic, non-abrasive, and safe
- Ready to use and easy to remove

Processes	Injection Molding; Injection Blow Molding; Extrusion compounding; Extrusion blow molding; Profile extrusion; Sheet extrusion
Listed resins	ABS, PA (nylon), PC/ABS, PE, PP-Copolymer, Flexible PVC*, TPEs, TPOs, HDPE, LDPE, PBT, PMMA, POM, PP-Homopolymer, PU, Rigid PVC, SAN, PS, LLDPE
Amount needed	1 to 1.5 times barrel capacity, depending on condition of machine/tool and colorant/additive loading.
Temperature range	380-550°F (193-288°C)
Equipment cleaned	Cold Runners, Hot Runners, Check Valves, Mixing Nozzles, Accumulators, Melt Pumps, Extrusion Dies

*Flexible PVC: over 370°F and within the stated grade range. Coverage: Product Selection Guide Matrix, Rev. H, version supplied Nov. 11, 2026. Table aligned Nov. 11, 2026; original sheet revision retained below.

Features & Benefits:

- ✓ Created for more challenging color and/or material changes plus efficient cleaning of hot runner systems, Purgex 457 Plus has proven to perform particularly well in removing low- to mid-range mineral- and glass-filled resins.
- ✓ Engineered for rapid turnaround on color and material changes. Efficiently removes residual contamination.
- ✓ Effectively cleans the barrel, screw, check ring, as well as hot runner systems and is safely processed through hot runner gates as small as .030-inch (0.75mm).
- ✓ Thorough cleaning of melt pumps and is safely processed through dies as small as .030-inch (0.75mm).
- ✓ With regular use, Purgex forms a temporary barrier which protects steel surfaces from oxidation, extending the cleaning process.

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